

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Charles H. VAN DUSEN et al

Art Unit: 2613

Application No: 09/616,109

Examiner:  
Anand Shashikant Rao

Filed: July 14, 2000

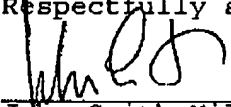
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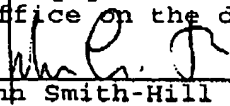
Transmitted herewith is a power of attorney. Please record  
007812 as the Customer Number for this application.

In accordance with the instructions in the power of attorney,  
please direct all future correspondence to the correspondence address  
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Respectfully submitted,

  
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John Smith-Hill  
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In re Application of

Art Unit: 2613

NOV 14 2003

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Application No: 09/616,109

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For: RATE AND DELIVERY TIME MULTIPLEXING  
FOR BANDWIDTH OPTIMIZATION**OFFICIAL**CERTIFICATE UNDER 37 CFR 3.73(b)  
POWER OF ATTORNEY BY ASSIGNEE

TUT SYSTEMS INC., a Delaware corporation, certifies that it is the assignee of the entire right, title, and interest in the U.S. patent application identified above by virtue of an assignment from Charles H. Van Dusen, Mayer D. Schwartz and Guoyao Yu to TUT SYSTEMS, INC. recorded September 25, 2003 at Reel 014002, Frame 0571.

The undersigned declares that he is an officer of TUT SYSTEMS, INC. and is authorized to sign this certificate on behalf of TUT SYSTEMS, INC.; and further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Sec. 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

TUT SYSTEMS, INC. as Assignee of the entire right, title, and interest in and to this U.S. patent application, hereby revokes any previous Powers of Attorney and appoints the practitioners associated with Customer Number 007812 (John Smith-Hill, Reg. No. 27,730 and Daniel J. Bedell, Reg. No. 30,156) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent.

Send correspondence to the correspondence address associated with Customer Number 007812.

TUT SYSTEMS, INC.

By: *Randall K. Gausman*Name: *Randall K. Gausman*Title: *CFR*Date: *11/4/03*

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## FACSIMILE COVER SHEET

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To: Anand Shashikant Rao  
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